originator

recipient

mobile device
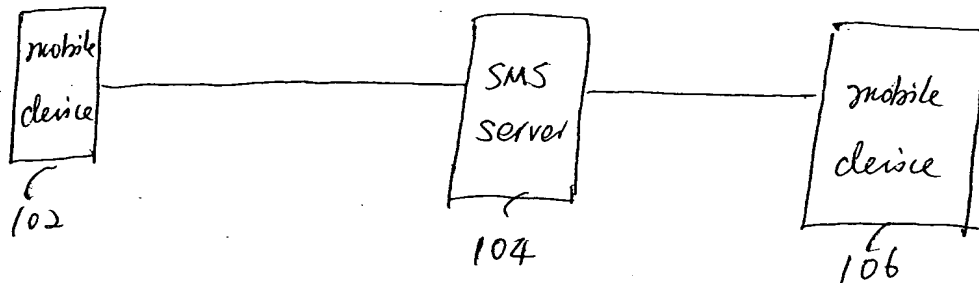102

SMS Server
104

mobile device
106

FIG 1A (PRIOR ART)

An SMS message originator specifies the telephone number to which the SMS message is addressed — 112

The originating mobile phone sends the SMS message to a SMS server. — 114

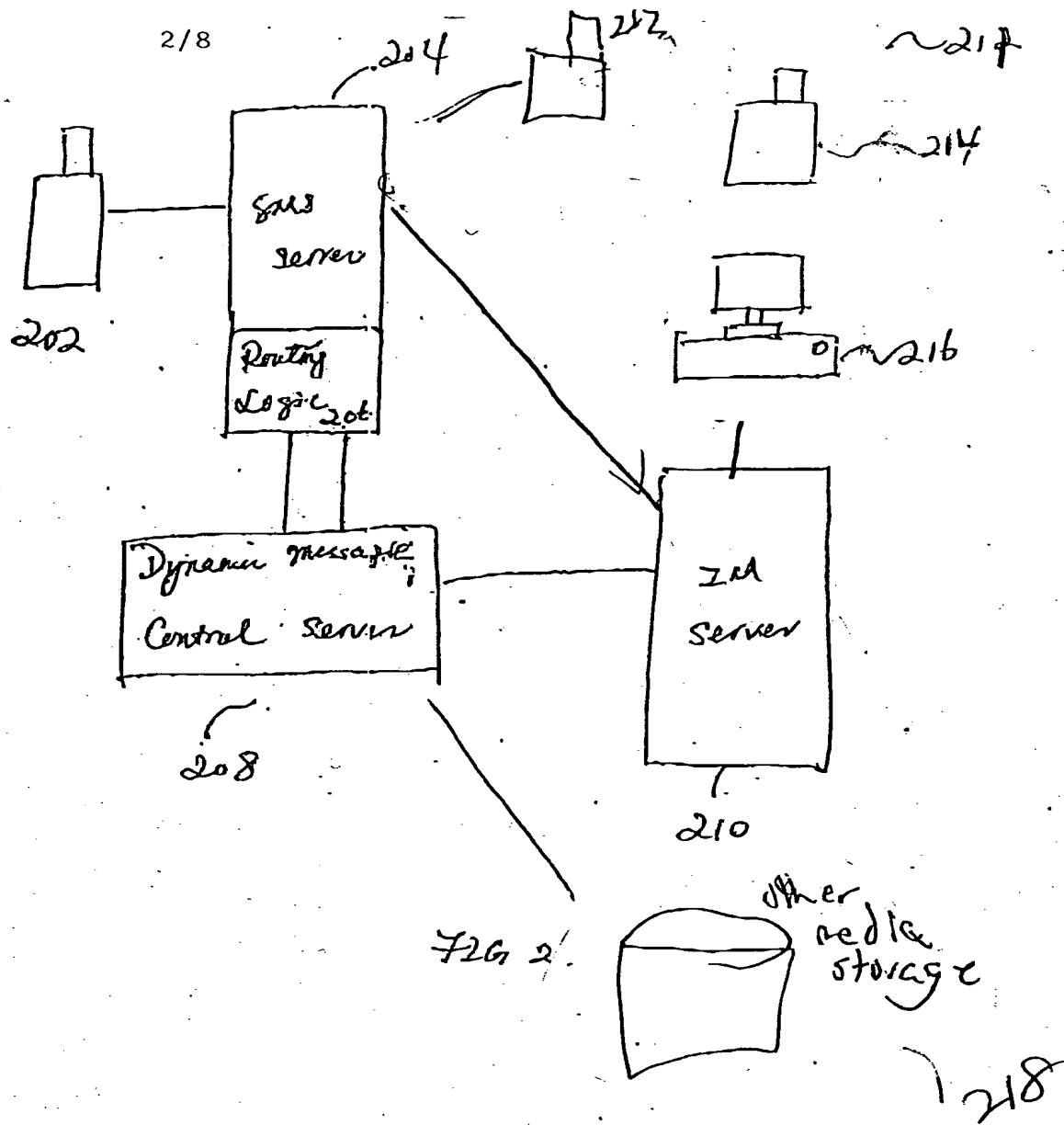The SMS server receives the SMS message. — 116

The SMS server transmits the SMS message according to the destination telephone number — 118

Fig 1B (PRIOR ART)

214

212

214

214

SMS Server

Routing Logic 206

202

216

Dynamic message Central Server

IM Server

208

210

FIG 2

other media storage

218

An SMS message originator sends an SMS message to a mobile device number ~302

↓

The SMS server receives the SMS text message and forwards it to the dynamic message control server ~304

↓

determine whether the recipient mobile device number enables SMS forwarding feature? ~306

No → forward as an SMS text message to the mobile number ~308

yes ↓

determine whether the recipient telephone number desires to forward SMS text message as an instant message? ~310

No →

yes ↓

determine whether an IM receiver is available to receive IM messages. ~312

No →

yes ↓
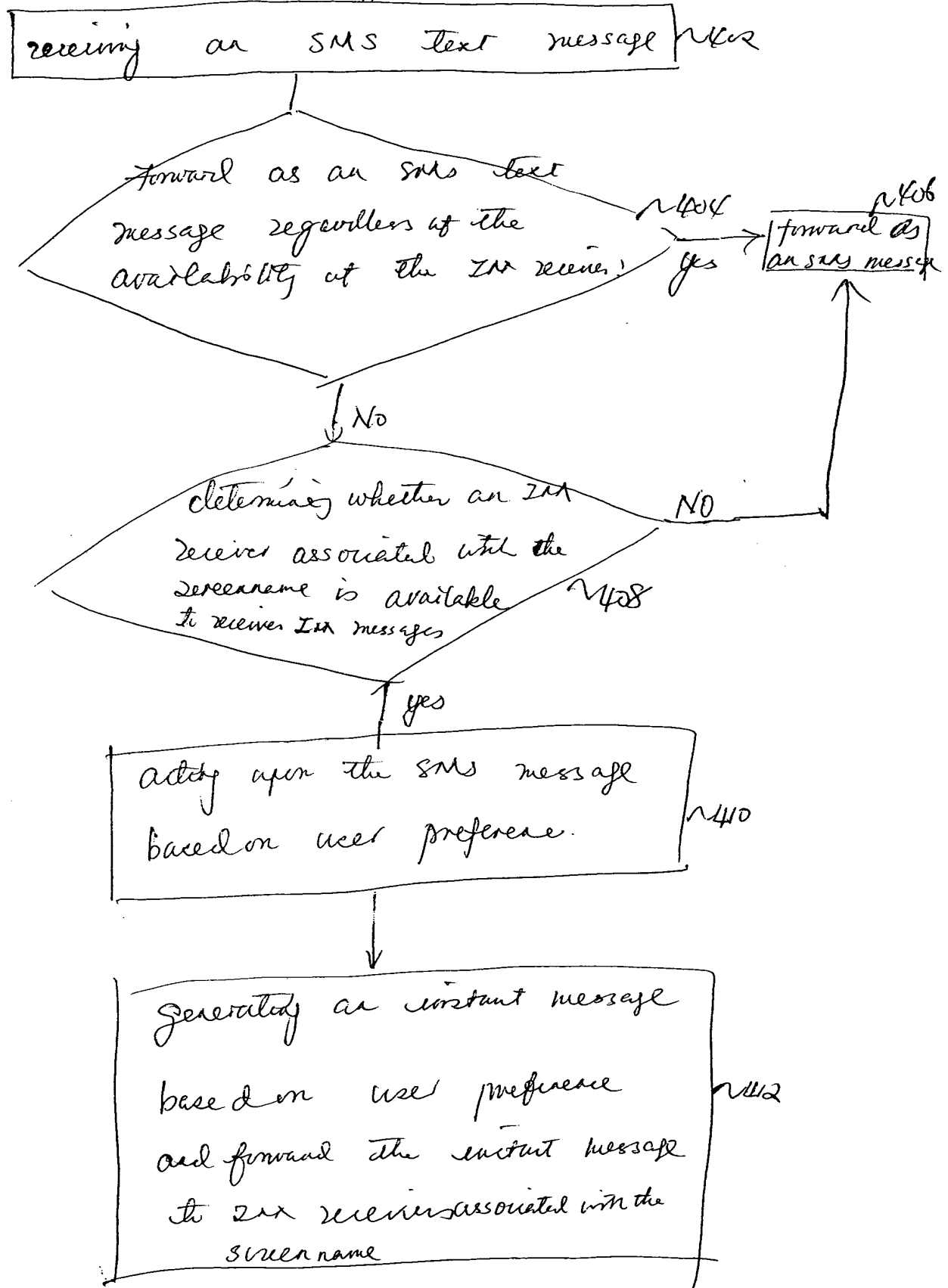
forward the SMS text message as an Instant message ~314

receiving an SMS Text message ~402

Forward as an SMS text message regardless of the availability of the IM receiver? ~404

→ yes → forward as an SMS message ~406

No

determining whether an IM receiver associated with the screenname is available to receive IM messages ~408

NO →

yes

acting upon the SMS message based on user preference. ~410

Generating an instant message based on user preference and forward the instant message to IM receiver associated with the screen name ~412

Fig 4

an SMS server receives an SMS text message from User A addressed to a pre-determined telephone number. ~502

determing whether the SMS text message contains a telephone number

**No** ~504

Do not

Yes

forward any future SMS text message from the telephone number to the user A's telephone number or to pre-determined telephone number instant message identifier associated with user A's phone number. ~506

forward future SMS text mess according to user preference ~508
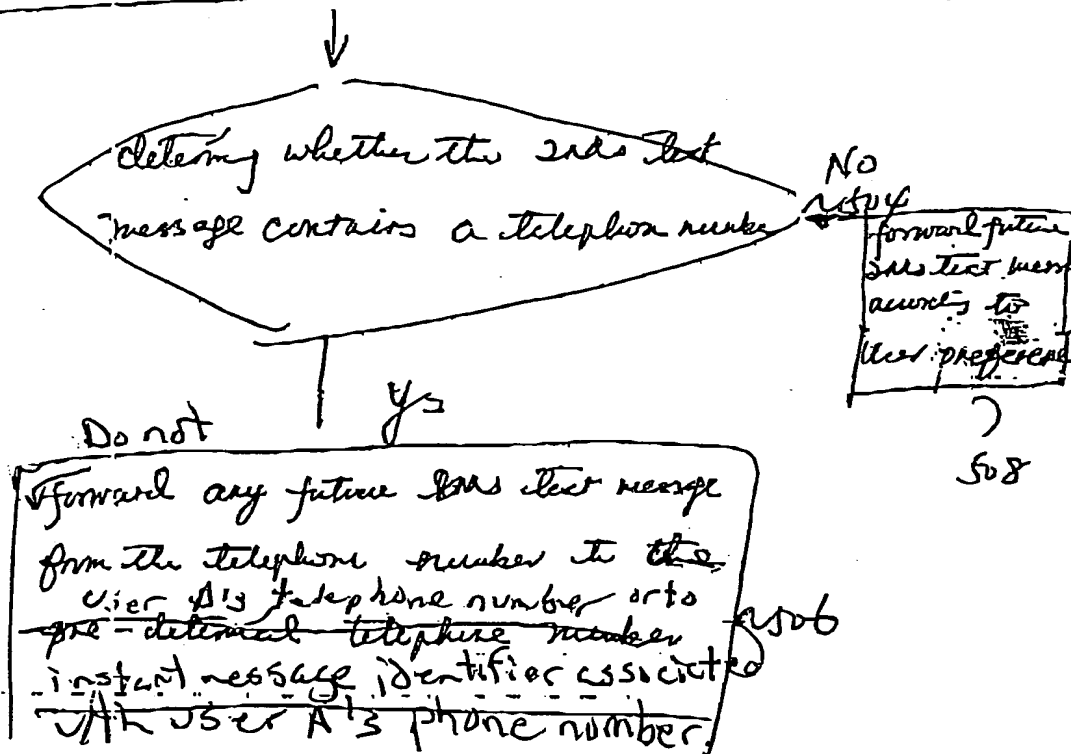
Fig 5

an SMS server receives an SMS text message — 602

package the source information regarding the SMS text message — 604

Sending the packet containing the source information of the SMS text message to to the dynamic message control server — 606

Checking the source information against user preference set by the destination telephone number user — 608

determining whether the SMS text message should be forward to the destination Telephone number — 610 — NO — no attempts of delivery is made — 614

forward the SMS text message — 612

making rules at selection of sms text message or apply different filters ～702

↓

receiving an sms text message ～704

deleting certain selection rules are applicable to the missing sms text message ～706

No → forward the sms text message accus to user preference ～710

Yes

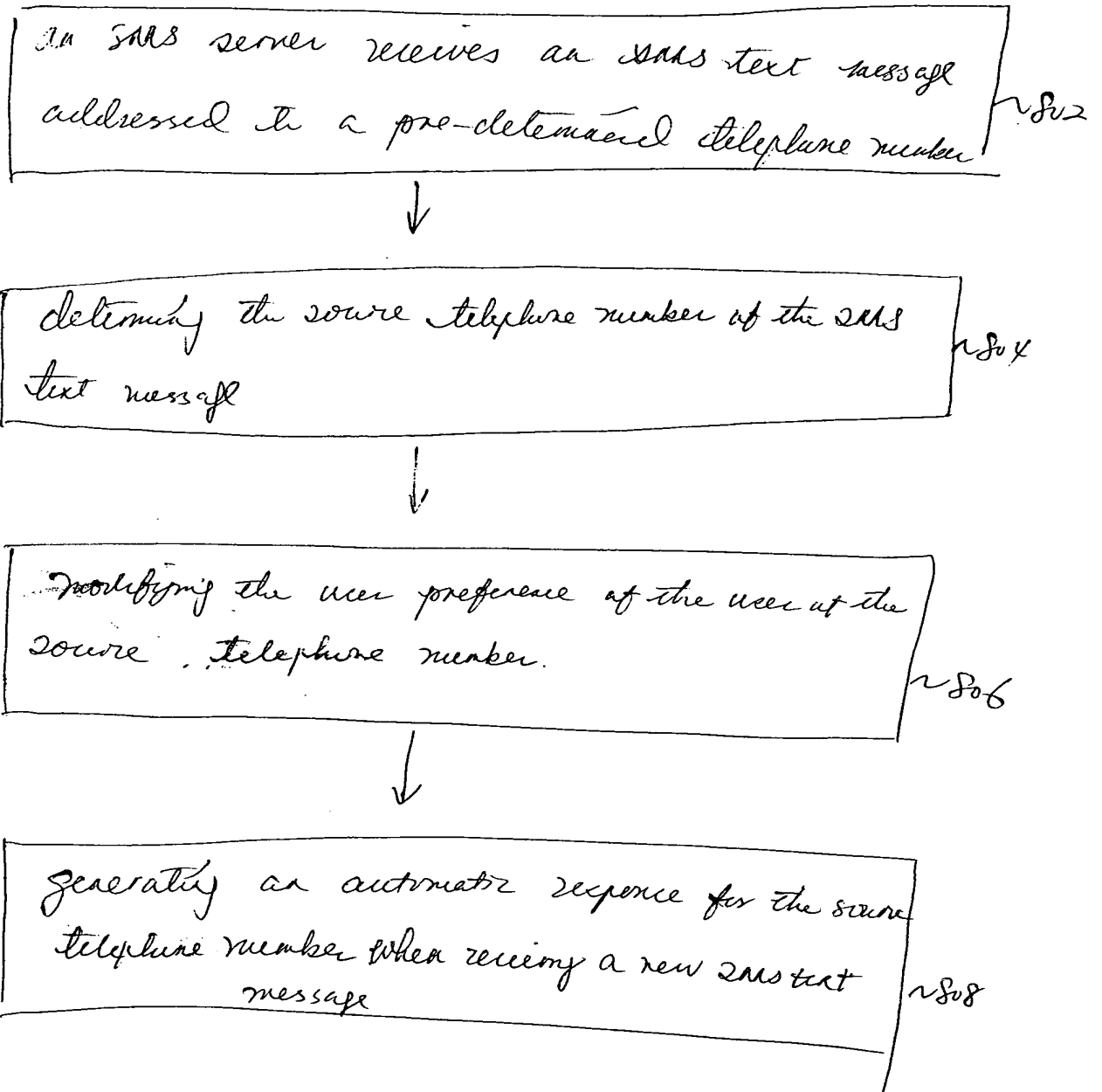generating an instant message anomaly to the predetermined rules. ～708

2 8 7

an SMS server receives an SMS text message addressed to a pre-determined telephone number ～802

↓

determining the source telephone number of the SMS text message ～804

↓

modifying the user preference of the user at the source telephone number. ～806

↓

generating an automatic response for the source telephone number when receiving a new SMS text message ～808

Fig 8